

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1642BJF

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

\* \* \* \* \* Welcome to STN International \* \* \* \* \*

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NEWS 4 MAY 10 CA/CAPLUS enhanced with 1900-1906 U.S. patent records  
NEWS 5 MAY 11 KOREAPAT updates resume  
NEWS 6 MAY 19 Derwent World Patents Index to be reloaded and enhanced  
NEWS 7 MAY 30 IPC 8 Rolled-up Core codes added to CA/CAPLUS and  
USPATFULL/USPAT2  
NEWS 8 MAY 30 The F-Term thesaurus is now available in CA/CAPLUS  
NEWS 9 JUN 02 The first reclassification of IPC codes now complete in  
INPADOC  
NEWS 10 JUN 26 TULSA/TULSA2 reloaded and enhanced with new search and  
and display fields  
NEWS 11 JUN 28 Price changes in full-text patent databases EPFULL and PCTFULL  
NEWS 12 JUL 11 CHEMSAFE reloaded and enhanced  
NEWS 13 JUL 14 FSTA enhanced with Japanese patents  
NEWS 14 JUL 19 Coverage of Research Disclosure reinstated in DWPI  
NEWS 15 AUG 09 INSPEC enhanced with 1898-1968 archive  
NEWS 16 AUG 28 ADISCTI Reloaded and Enhanced  
NEWS 17 AUG 30 CA(SM)/CAPLUS(SM) Austrian patent law changes  
NEWS 18 SEP 11 CA/CAPLUS enhanced with more pre-1907 records  
  
NEWS EXPRESS JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT  
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.  
  
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NEWS IPC8 For general information regarding STN implementation of IPC 8  
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\* \* \* \* \* STN Columbus \* \* \* \* \*

FILE 'HOME' ENTERED AT 10:07:48 ON 20 SEP 2006

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'CAPLUS' ENTERED AT 10:07:58 ON 20 SEP 2006  
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FILE COVERS 1907 - 20 Sep 2006 VOL 145 ISS 13  
FILE LAST UPDATED: 19 Sep 2006 (20060919/ED)

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```
=> s thioredoxin
      5812 THIOREDOXIN
      3679 THIOREDOXINS
L1      6388 THIOREDOXIN
          (THIOREDOXIN OR THIOREDOXINS)
```

```
=> s cancer? or tumor? or neoplas?
      306312 CANCER?
      441863 TUMOR?
      463561 NEOPLAS?
L2      732005 CANCER? OR TUMOR? OR NEOPLAS?
```

```
=> s l1 (l) l2
L3      589 L1 (L) L2
```

```
=> s l3 not py>1995
      10304536 PY>1995
L4      49 L3 NOT PY>1995
```

```
=> s imidazolyl?
L5      10560 IMIDAZOLYL?
```

```
=> s l5 and l4
L6      1 L5 AND L4
```

```
=> d ibib
```

```
L6  ANSWER 1 OF 1  CAPLUS  COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1995:523489  CAPLUS
DOCUMENT NUMBER: 123:47459
TITLE: The thioredoxin/thioredoxin reductase redox system and
control of cell growth
AUTHOR(S): Powis, Garth; Oblong, John E.; Gasdaska, Pamela Y.;
Berggren, Margareta; Hill, Simon R.; Kirkpatrick, D.
Lynn
CORPORATE SOURCE: Arizona Cancer Center, Tucson, AZ, 85724, USA
SOURCE: Oncology Research (1994), 6(10-11), 539-44
CODEN: ONREE8; ISSN: 0965-0407
PUBLISHER: Elsevier
DOCUMENT TYPE: Journal
LANGUAGE: English
```

=> d ibib kwic

L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN

ACCESSION NUMBER: 1995:523489 CAPLUS

DOCUMENT NUMBER: 123:47459

TITLE: The thioredoxin/thioredoxin reductase redox system and control of cell growth

AUTHOR(S): Powis, Garth; Oblong, John E.; Gasdaska, Pamela Y.; Berggren, Margareta; Hill, Simon R.; Kirkpatrick, D. Lynn

CORPORATE SOURCE: Arizona Cancer Center, Tucson, AZ, 85724, USA

SOURCE: Oncology Research (1994), 6(10-11), 539-44

CODEN: ONREE8; ISSN: 0965-0407

PUBLISHER: Elsevier

DOCUMENT TYPE: Journal

LANGUAGE: English

AB Thioredoxin is a redox protein that is important for a variety of intracellular functions, possibly including regulation of transcription factor activity. We have shown that human thioredoxin has the same predicted amino acid sequence as adult T-cell-derived leukemic cell growth factor. Recombinant human thioredoxin stimulates the proliferation of Swiss murine 3T3 fibroblasts with an EC50 of 100 nM and the proliferation of a number of human cancer cells. Site-directed mutagenesis of the active-site cysteines of thioredoxin has shown that redox activity is necessary for the stimulation of cell proliferation. Added 125I-thioredoxin is taken up by cells in culture and could have intracellular action. A series of alkyl 2-imidazolyl disulfides have been shown to be competitive inhibitors of human thioredoxin reductase with Ki values of 3.3 to 8.6  $\mu$ M. The compds. inhibited Swiss 3T3 serum-dependent proliferation with IC50 values of 2.0 to 4.0  $\mu$ M, and one compound inhibited Swiss 3T3 thioredoxin-dependent proliferation with an IC50 value of 60 nM.

IT Cell proliferation

Neoplasm

Redox reaction

(thioredoxin/thioredoxin reductase redox system and control of cell growth)

=>

---Logging off of STN---

=>

Executing the logoff script...

=> LOG Y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

17.29

17.50

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-0.75

-0.75

STN INTERNATIONAL LOGOFF AT 10:09:50 ON 20 SEP 2006